

COG dielectric, ultra stable cerapic cap, 12 - 22 pF, qty 2, both the same 100 nF X7R ceramic capacitors rated for at least 16 volts. decoupling capacitor for each VCC pin. _ C205__ _ C203 _ **C**206 Y201 U201 Resonator CSTNE16M0VH3C000R0 3.2x1.3x0.9mm PD3_(PCINT19/OC2B/INT1) 16 MHz <u>2</u> 7 PD4_(PCINT20/XCK/TO) PB6_(PCINT6/XTAL1/TOSC1) 8 PB7_(PCINT7/XTAL2/TOSC2) 9 PD5_(PCINT21/0C0B/T1) J202 ICSP_Header MFR P/N _V_BUS MISO ATMEGA328P-AU PB3_(PCINT3/OC2A/MOSI) SCK MOSI 16 PB4_(PCINT4/MISO)
17 PB5_(PCINT5/SCK)
23 PC0_(PCINT8/ADCO)
24 PC1_(PCINT9/ADC1) 5 RST GND GND C207 25 PC1_(PCINT9/ADC1)
PC2_(PCINT10/ADC2)
PC3_(PCINT110/ADC3)
PC3_(PCINT11/ADC3)
PC4_(PCINT12/SDA/ADC4)
PC5_(PCINT13/SCL/ADC5)
PC6_(PCINT14/RESET) 0.1uF R201 Voltage \$10k 0603 XXXX MFR P/N FTDI_Header RC0603FR-0710KL RST 30 PDO_(PCINT16/RXD) TXD_LOCAL 31 PD1_(PCINT17/TXD)
32 PD2_(PCINT18/INT0) RXD_LOCAL V_BUS V_BUS 19 ADC6 GND 20 AREF GND 📥 22 ADC7 GND GND GND J201 GND C208 0.1uF XXXX Voltage I expect both the ICSP and FTDI headers to supply 5V, either or, etc. MFR P/N Sheet: /Arduino/ File: Flamingo PCB - Arduinosch.sch Title: Size: A4 Date: Rev: KiCad E.D.A. kicad (5.1.7)-1 ld: 2/4



